SEQUENCE LISTING

<110> GILAD, Shlomit
EINAT, Paz
GROSMAN, Avital

<120> METHOD FOR ENRICHMENT OF NATURAL ANTISENSE MESSENGER RNA

<130> GILAD=2B

<140> NOT YET ASSIGNED
<141> 2001-04-12

<150> 09/680,420
<151> 2000-10-06

<160> 29

<170> PatentIn Ver. 2.1

<210> 1
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> n at position 40 represents g, a, c or t

<220>
<223> Description of Artificial Sequence:OLIGONUCOEOTIDE PRIMERS

<400> 1
ttctagaatt cagcggccgc ttttttttttt ttttttttvn 40

<210> 2
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE PRIMERS

<400> 2
gatgggagtt gtgtgtttag tc 22

<210> 3
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE
PRIMERS

<400> 3
ggagagagaa gtgcagagtt cg 22

<210> 4
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE
PRIMERS

<400> 4
ttagtacaaa cttagggctc t 21

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE
PRIMERS

<400> 5
tcatggcaac tccagagcag 20

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE

PRIMERS

<400> 6
accacagtcc atgccatcac 20

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE
PRIMERS

<400> 7
tccaccaccc tgttgctgta 20

<210> 8
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE
PRIMERS

<400> 8
ggagttagtc cttgaccact ag 22

<210> 9
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:OLIGONUCLEOTIDE
PRIMERS

<400> 9
gcacttacac agttagtcat gg 22

<210> 10
<211> 188
<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
SEQUENCE

<400> 10
gggcgggccg ctttttttttt ttttttttttg gagttagtcc ttgaccacta gtttgatgcc 60
atctccattt tgggtgacct gtttcaccag caggcctgtt actctccatg actaactgtg 120
taagtgctta aaatggaata aattgctttt ctacataacc ccaaaaaaaa aaaaaaaaaa 180
gcggccgc 188

<210> 11
<211> 169
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 11
ttttttttttt ttttttttgg agttagtcct tgaccactag tttgatgcca tctccatttt 60
gggtgacctg tttcaccagc aggcctgtta ctctccatga ctaactgtgt aagtgcttaa 120
aatggaataa attgcttttc tacataaccc caaaaaaaaa aaaaaaaaa 169

<210> 12
<211> 550
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<220>
<223> n at positions 114, 319, 340, 350, 369, 386, 455,
371, 506, and 538 are unknown.

<400> 12
ttttcattgt cataattttt tattatgtat caaattgtct tcaatataag ttacaacttg 60
attaaagttg atagacattt gtatctattt aaagacaaaa aaattctttt atgtncaata 120
tcttgtctag agtctagcaa atatagtacc tttcattgca ggattttctgc ttaatataac 180
aagcaaaanc aaacaactga aaaaatataa accaaagcaa accaaacccc ccgctcaact 240
acaaatgtca atattgaatg aagcattaaa agacaaacat aaagtaactt cagcttttat 300
ctagcaatgc agaatgaatn ctaaaattag nggcaaaaaa ncaaacaaca aacaacaaac 360

aaaacaaanc aaacaancaa aaaatcccac caatcttcat gggtaaactt tcctgctcag 420
ggatgtaagc tgactctaga ccattngcgg ttcctgcgga tagcacagcc angatcatct 480
gaagatcatg ccaaatntca tgaccacggc aatgccgatg cccctgcgcc gatgatgngg 540
aatttattgg 550

<210> 13
<211> 491
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 13
ttttttttt tttttttctt gctgcagcaa cgcgagtggg agcaccagga tctcgggctc 60
ggaacgagac tgcacggatt gttttaagaa aatggcagac aaaccagaca tgggggaaat 120
cgccagcttc gataaggcca agctgaagaa aacggagacg caggagaaga acaccctgcc 180
gaccaaagag accattgagc aggagaagcg gagtgaaatt tcctaagatc ctggaggatt 240
tcctaccccc atcctcttcg agaccccagt cgtgatgtgg aggaagagcc acctgcaaga 300
tggacacgag ccacaagctg cactgtgaac ctgggcactc cgtgccgatg ccaccggcct 360
gtgggtctct gaagggaccc ccccccaatc ggactgccaa attctccggt ttgccccggg 420
atattataga aaattatttg tatgaataat gaaaataaaa cacacctcgt ggcaaaaaaa 480
aaaaaaaaaa a 491

<210> 14
<211> 206
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 14
ttttttttt tttttttgg gagtggtagg atgaaacaat ttggagaaga tagaagtttg 60
aagtggaaaa ctggaagaca gaagtacggg aaggcgaaga aaagaataga gaagataggg 120
aaattagaag ataaaaacat acttttagaa gaaaaaagat aaatttaaac ctgaaaagta 180
ggaagcagaa aaaaaaaaaa aaaaaa 206

<210> 15
<211> 206
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<220>
<223> n at position 54 is unknown.

<400> 15
ttttctgtgg ggccatcact ttattaaggg gtcatctaga aggtgggccc cctgncaaac 60
cgcgggactg tgatcgggct ccagctactt caccaccccg ggccagcctg ctccaggggt 120
cccttcctgc tgagagcagg cgagaggcag tcaggctcat gaagcagcca ccgggtttgg 180
ctcactggaa ggaatcacac tggaaa 206

<210> 16
<211> 178
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 16
ttttttttt ttttttttct gtgtccactg gagagcttga gctcacactc aaagatcaga 60
ggacctacag agagggctct ttggtttgag gaccatggct tacctttcct gcctttgacc 120
catcacaccc catttcctcc tctttccctc tccccgctgc caaaaaaaaa aaaaaaaa 178

<210> 17
<211> 127
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<220>
<223> n at positions 98 and 112 are unknown.

<400> 17
gaattcgatg cgtattctgt ggcccgccat ctgcgcaggg tggtggtatt ctgccattta 60
cacacgtcgt tctaattaaa aagcgaatna tactccaaaa aaaaaaaaaa angcggccgt 120
tgaattc 127

<210> 18

<211> 115
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 18
gaattcagcg gccgcttttt ttttttttt tcttcgaagt gtttacccca gtgtttgaaa 60
gggattccag atggtcaaat aaaaaaaatg ttcctaaact tggtgatatg aactc 115

<210> 19
<211> 204
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<220>
<223> n at position 28 is unknown.

<400> 19
gaattcaggg ccgttctggt tctctctntc tccccgccct ccctcaccac cagtggaacc 60
ttcatcgagt tccacaaacc tggatttttt atgtacaacc ctgaccgtgg ccgtttgcta 120
tattcctttt tctatgaaat aatgtgaatg ataataaaac agctttgact tgaaaaaaaa 180
aaaaaaaaag cggccgctga attc 204

<210> 20
<211> 109
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 20
gaattccctc cccctccttg tgccttcttt gtatataggc ttctcacggc gaccaataaa 60
cagctcccag tttgtatgca aaaaaaaaaa aaaagcggcc gctgaattc 109

<210> 21
<211> 191

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 21
gaattcagcg gccgcttttt ttttttttt ttgggagaag tgtataaatt attatgttga 60
caagcagaga aagaaaagtt aaataccaga taagcttttg atttttgtat tgtttgcatc 120
cccttgccct caataaataa agttcttttt tagttccaaa aaaaaaaaaa aaaaaagcgg 180
ccgctgaatt c 191

<210> 22
<211> 106
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 22
gaattcagcg gaaaaccttg agttctggat tgcctgtgag gattacaaga agatcaagtc 60
ccctgccaag atggctgaga aggcaaagca aatttatgaa gaattc 106

<210> 23
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 23
gaattcaatg ggtaaataaa tgctgctttg gggaaaaaaa aaaaaaaagc ggccgctgaa 60
ttc 63

<210> 24
<211> 586
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 24
ttttttttttt ttttttggc ctgggaatga gaaaataact ttatttcatt gtggggagcg 60
ggccgatgtc cagcctcaga acttctggaa ctgcttcttg gtgccggcag ccttggtgac 120
cttgagcacg ttgaagcgca ctgtcttgct cagaggccgg cactcgccca ctgtgacgat 180
gtcaccgatc tggacgtccc tgaagcaggg ggacaggtgt acagacatgt tcttgtggcg 240
cttctcgaag cggttgtact tgcggatgta gtgcagatag tctcggcgga tgacaatggt 300
cctctgcatc ttcatcttgg tcaccacgcc agagaggatc cgccctcgaa tggacacatt 360
accaagtgaa ggggcatttc ttgtcaatgt aggtgccctc aatagcctcc ttgggtgtct 420
tgaagcccag accgatgttc ttgtagtacc gcgggagctt ctccttgcca gtttctccca 480
gcaggaccct cttcttgttt tgaaagatgg tcggctgctt ttggtangca cgctcagtct 540
gaatgtccgc catcttcccg ggcgcctgaa aaaaaaaaaa aaaaaa 586

<210> 25
<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 25
ttttttttttt ttttttttcc ggcggtgacg acctacgcac acgagaacat gcctctcgca 60
aaggatctcc ttcatccctc tccagaagag gagaagagga aacacaagaa gaaacgcctg 120
gtgcagagcc ccaattccta cttcatggat gtgaaatgcc caggatgcta taaaatcacc 180
acggtcttta gccatgcaca aacggtagtt ttgtgtgttg gctgctccac tgtcctctgc 240
cagcctacag gaggaaaagc aaggcttaca gaaggatgtt ccttcaggag gaagcagcac 300
taaaagcact ctgagtcaag atgagtggga aaccatctca ataaacacat tttggataaa 360
ccg 363

<210> 26
<211> 563
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 26
ttttttttttt ttttttttctt cagcgaggcg gccgagctgg ttggtggcgg cggtcgtgcg 60
gacgcaaaca tgcagatctt tgtgaagacc ctcactggca aaaccatcac ccttgaggtc 120
gagcccagtg acaccattga gaatgtcaaa gccaaaattc aagacaagga gggtatccca 180

cctgaccagc agcgtctgat atttgccggc aaacagctgg aggatggccg cactctctca 240
gactacaaca tccagaaaga gtccaccctg cacctggtgt tgcgcctgcg aggtggcatt 300
attgagcctt ctctccgcca gcttgcccag aaatacaact gcgacaagat gatctgccgc 360
aagtgctatg ctcgccttca ccctcgtgct gtcaactgcc gcaagaagaa gtgtggtcac 420
accaacaacc tgcgtcccaa gaagaaggtc aaataaggtg gttcttttcct tgaagggcag 480
cctcctgccc aggccccgtg gccctggagc ctcaataaag tgtccctttc attgactgga 540
gcagcaaaaa aaaaaaaaa aaa 563

<210> 27
<211> 662
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 27
ttttttttttt ttttttttgg gactttcagc ccctttaatt aggtgctctg agaagaggtc 60
agaatggcag gcaggggtg gggaaggcgg tgcttcttga gccccactta gcaactggtc 120
actcatcctc tggcagctgg atcttgctgg ggtcgaagca gttggattcc atgatgggaa 180
ggccattggc ctctcggtat ttcacaagcc tctcagcttc gcggcgggac cactctttca 240
tcccatccca cgctcttgga caccctgtgc acctgtagtc aggcagatag gccacaaagg 300
tgctgccaag gaccangatg atggagacgc caaagaagaa gacaagtcgc atgttccaaa 360
cgtccaaaaa cgggggccct gtcataacca atgggaatc cggggtcctc ccatacaagt 420
tttcgtcctc gggttctggg tcctcttgcc acggtgtggt cggttctggg ggccgctttc 480
ccgccacagc ggacgggggcg accacaatcc tggagaaact agattcccaa cgggacgccg 540
gcgggccggg aaccctcgcg tcgccgctgc cgccaaaaga ccgngaacgc tcaaccaaac 600
agccaaccgc aagacaaatg gtgctgaagg tcncagggcg ggaaagaaaa aaaaaaaaaa 660
aa 662

<210> 28
<211> 504
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:PCR AMPLIFIED
HUMAN

<400> 28
ttttttttttt ttttttttgg cttgactcag gatttaaaaa ctggaacggt gaaggtgaca 60
gcagtcggtt ggagcgagca tcccccaaag ttcacaatgt ggccgaggac tttgattgca 120
cattgttgtt ttttaatag tcattccaaa tatgagatgc gttgttacag gaagtccctt 180
gccatcctaa aagccacccc acttctctct aaggagaatg gcccagtcct ctcccaagtc 240
cacacagggg aggtgatagc attgctttcg tgtaaattat gtaatgcaaa atttttttaa 300

tcttcgcctt aatacttttt tattttgttt tattttgaat gatgagcctt cgtgcccccc 360
cttccccctt ttttgtcccc caacttgaga tgtatgaagg cttttggtct ccctgggagt 420
gggtggaggc agccagggct tacctgtaca ctgacttgag accagttgaa taaaagtgca 480
cacctgaaaa aaaaaaaaa aaaa 504

<210> 29
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic

<400> 29
tctagtcgac ggccagtgaa ttgtaatacg actcactata gggcgttttt ttttttttt 60
tttttt 66